RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Source: Pullo Date Processed by STIC: 7/7/05	Application Serial Number:	_/0/540.634	
Date Processed by STIC: 7/7/05	Source:	, P.4710	
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RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/540,634**DATE: 07/07/2005

TIME: 09:46:02

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     4 <110 > APPLICANT: DE WILDE, Gert Jules Hector
     6 <120> TITLE OF INVENTION: KINASE SEQUENCES USEFUL FOR DEVELOPING COMPOUNDS FOR THE
PREVENTION
              AND/OR TREATMENT OF METABOLIC DISEASES AND NUCLEOTIDE SEQUENCES ENCODING SUCH
     7
              KINASE SEQUENCES
     8
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C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/540,634
C--> 13 <141> CURRENT FILING DATE: 2005-06-23
     15 <150> PRIOR APPLICATION NUMBER: GB 0230014.3
     16 <151> PRIOR FILING DATE: 2003-12-23
     18 <150> PRIOR APPLICATION NUMBER: US 60/436,380
    19 <151> PRIOR FILING DATE: 2003-12-23
    21 <160> NUMBER OF SEQ ID NOS: 13
     23 <170> SOFTWARE: PatentIn version 3.1
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147 Leu Arg Glu Ile Gly His Gly Ser Phe Gly Ala Val Tyr Phe Ala Tyr
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151 Asp Lys Lys Asn Glu Gln Thr Val Ala Ile Lys Lys Met Asn Phe Ser
152
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155 Gly Lys Gln Ala Val Glu Lys Trp Asn Asp Ile Leu Lys Glu Val Ser
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159 Phe Leu Asn Thr Val Val His Pro His Ile Val Asp Tyr Lys Ala Cys
160
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163
   Phe Leu Lys Asp Thr Thr Cys Trp Leu Val Met Glu Tyr Cys Ile Gly
164
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                                    105
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171 Glu Ile Ala Ala Île Cys Ser Gln Thr Leu Asp Ala Leu Arg Tyr Leu
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175 His Ser Leu Lys Arg Ile His Arg Asp Ile Lys Ala Gly Asn Ile Leu
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187		Leu	vaı	Asp		Ата	GIn	Thr	Phe		GIĄ	Thr	Pro	Phe		Met	Ala
188		_				_			_			1	_			_	
191		Pro	Glu		Ile	Leu	Ala	Met	_	Glu	Gly	His	Tyr		Asp	Arg	Ala
192			_					_			_						
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196									_			_				_	_
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Ser		GIn	Asn	Asp	Pro		Thr	Leu	Ser	Pro		Asp	Thr	Ser	Glu		Pro
260			_	_	_			~				_	_		_		_
Pro Ala Glu Glu Arg Met Ser Ala Glu Glu Cys Phe Arg His Pro Phe 208 285 280 280 285		Glu	Trp	Ser		GIu	Phe	Val	GIn		He	Asp	гля	Cys		Arg	Lys
208		_				_		_	_ ~			_	_,	_		_	
The Gln Arg Ser Arg Pro Ser Asp Thr Ile Gln Glu Leu Ile Gln Arg Ser Arg Pro Ser Asp Thr Ile Gln Glu Leu Ile Gln Arg Ser Ser Ser Ser Ser Arg Ser Arg Ser Glu Glu Ser		Pro	Ala		Glu	Arg	Met	Ser		GIu	GIu	Cys	Phe	_	Hıs	Pro	Phe
290 295 295 295 295 300 215 315 316 315 320 320 320 320 320 325 320 325 320 325 325 320 325					_	_	_	_		_,							_
The Lys		He		Arg	Ser	Arg	Pro		Asp	Thr	IIe	GIn		Leu	ITe	GIn	Arg
315				_			_		_	_	_	-1		_	_	_	
Section Sect			Lys	Asn	Met	vai		GIu	Leu	Asp	Asn		GIn	Tyr	ьуs	Lys	
220			.	.	N = 1-				~1	m1	~1		.	~ 1	~1	0	
223 Gly Asn Gly Ala Ser Asp Asp Leu Asp Phe His Gly Asn Glu Ala Asn 224 340 340 345 345 350 350 350 365		Arg	ьys	Leu	Met	-	Leu	Asp	Glu	Thr		GIY	Lys	GIU	GLY		GIu
224 340 345 350 350 350 360 365 365 365 360 365 365 365 360 365 380 3		a 1.	.	~ 1	77.		3	3	. .	.		** .	~ 1	3	a1 .		3
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228 355		0	T1 -	~1		71-	~1	7	a		a	C	7	0		0	T
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235 Ser Thr Asn Thr Thr Gly Ala Met Asp Asn Val His Gly Ser Gly 390		1111		Pile	Arg	ser	Met		ser	ser	СТУ	GIY		GIY	ьeu	пеп	vai
236 385 390 395 395 400 239 Tyr Gly Asn Gly Ser Ser Ser Ser Thr Thr Ser Ser Ala Arg Arg Arg Pro 240 405 410 410 415 415 243 Pro Ile Pro Ser Gln Met Leu Ser Ser Thr Ser Thr Ser Gly Val Gly 425 430 430 430 430 247 Thr Met Pro Ser His Gly Ser Val Gly Ala Ser Ile Thr Ala Ile Ala 435 440 440 445 445 445 445 445 446		cor		Λαn	Thr	Thr	C111		Mot	7 cm	7 an	v-1		C111	cor	Cor	Cly
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240			Glv	Λcn	Clv	Car		Sar		Thr	Sor		Λla	λνα	λνα	λνα	
243 Pro Ile Pro Ser Gln Met Leu Ser Ser Thr Ser Thr Ser Gly Val Gly 244 420 420 425 425 430 430 247 Thr Met Pro Ser His Gly Ser Val Gly Ala Ser Ile Thr Ala Ile Ala Ile Thr Ala Ile Ala Ile Thr Ala Ile Ala Ile Pro Thr Ala Ile Ala Ile Pro Thr Ala Ile Ala Ile Ile Pro Thr Ala Ile Ala Ile <		TYL	Gry	Maii	Gry		Ser	SET	1111	1111		Ser	Ата	Arg	Arg	_	FIO
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251 Val Asn Pro Thr Pro Ser Pro Ser Glu Pro Ile Pro Thr Ser Gln Pro 252 450			Mec		Ser	1113	GLY	DCI		Ory	Aια	Jei	110		niu	110	nια
252 450 455 460 255 Thr Ser Lys Ser Glu Ser Ser Ser Ile Leu Glu Thr Ala His Asp Asp Asp Asp Asp Asp Asp Ala Pro Val Lys Asp Leu His Met Pro 260 Leu Asp Thr Ser Glu Arg Ala Pro Val Lys Asp Leu His Met Pro Pro Val Lys Asp Leu Pro 480 Leu His Met Pro Pro Val Lys Asp Leu Pro 490 Leu Glu Asp Phe 263 Asp His Lys Phe 264 Lys Asp Asp Phe 265 Lys 510 Lys Phe 264 Lys Ser Glu Asp Asp Fig F			Δen	•	Thr	Pro	Ser	Pro		Glu	Pro	Tle	Pro		Ser	Gln	Pro
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Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\07072005\J540634.raw

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352	a	850	~1 ·	~1	3	~1	855	7	**- 7	*	0	860	T	.	~1	T
		Trp	GIn	Glu	Asp		GIn	Arg	vaı	Leu		GIU	гуѕ	ьeu	GIU	
	865	.	~ 1	~ 1	.	870			~ 1	•	875	m)	7	77 -	m1	880
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Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\07072005\J540634.raw

372 930 935 375 Ser Gln Glu Arg His Arg Leu Glu Asn His Phe Val Arg Thr Gly Ser 950 955 379 Thr Ser Arg Ser Ser Gly Gly Ile Ala Pro Gly Val Gly Asn Ser Ser 380 965 970 383 Ser Ile Gln Met Ala Met 387 <210> SEQ ID NO: 3 388 <211> LENGTH: 4188 389 <212> TYPE: DNA 390 <213> ORGANISM: Homo sapiens 392 <300> PUBLICATION INFORMATION: 393 <308> DATABASE ACCESSION NO: genbank NM 016281 394 <309> DATABASE ENTRY DATE: 2002-10-04 395 <313> RELEVANT RESIDUES: (1)..(4188) 397 <400> SEQUENCE: 3 398 gccggggaac aagccacagg agagcgactc aggaacaagt gtgggagagg aagcggcggc 60 400 ggcggcgccg ggcccggggg tggtgacagc aggtctgagg ttgcatcata aatacaaagg 120 402 actgaagtta taaaagagaa aagagaagtt tgctgctaaa atgaatctga gcaatatgga 180 404 atattttgtg ccacacacaa aaaggtactg aagatttacc ccccaaaaaa aattgtcaat 240 406 gagaaataaa gctaactgat atcaaaaagc agagcctgct ctactggcca tcatgcgtaa 300 408 aggggtgctg aaggacccag agattgccga tctattctac aaagatgatc ctgaggaact 360 410 ttttattggt ttgcatgaaa ttggacatgg aagttttgga gcagtttatt ttgctacaaa 420 412 tgctcacacc aatgaggtgg tggcaattaa gaaqatgtcc tatagtggga agcagaccca 480 414 tgaqaaatqq caagatattc ttaaqgaaqt taaattttta cqacaattqa aqcatcctaa 540 416 tactattgag tacaaaggct gttacttgaa agaacacact gcttggttgg tgatggaata 600 418 ttgcttaggc tcagcctctg atttattaga agttcataaa aaaccacttc aggaagtgga 660 420 gatcgctgcc attactcatg gagccttgca tggactagcc tacctacatt ctcatgcatt 720 422 gattcatagg gatattaaag caggaaatat tcttctaaca gagccaggtc aggtaaaact 780 424 agetgatttt ggatetgett caatggette teetgeeaac teettegtgg geacacetta 840 426 ctggatggct ccagaggtga tcttagctat ggatgaagga cagtatgatg ggaaagttga 900 428 tatttggtca cttggcatca cttgtattga attggcggaa cggaagccgc cccttttcaa 960 430 catgaatgca atgagtgcct tatatcacat tgcccagaat qactccccaa cgttacagtc 1020 432 taatgaatgg acagactcct ttaggagatt tgttgattac tgcttgcaga aaatacctca 1080 434 ggaaaggcca acatcagcag aactattaag gcatgacttt gttcgacgag accggccact 1140 436 acgtgtcctc attgacctca tacagaggac aaaagatgca gttcgtgagc tagataacct 1200 438 acagtaccga aaaatgaaaa aaatactttt ccaagagaca cggaatggac ccttgaatga 1260 440 gtcacaggag gatgaggaag acagtgaaca tggaaccagc ctgaacaggg aaatggacag 1320 442 cctgggcagc aaccattcca ttccaagcat gtccgtgagc acaggcagcc agagcagcag 1380 444 tgtgaacagc atgcaggaag tcatggacga gagcagttcc gaacttqtca tqatgcacga 446 tgacgaaagc acaatcaatt ccagctcctc cgtcgtgcat aagaaagatc atgtattcat 1500 448 aagggatqag gcqqqccacg gcgatcccag gcctqaqccq cqqcctaccc aqtcaqttca 1560 450 gagccaggcc ctccactacc ggaacagaga gcgctttgcc acgatcaaat cagcatcttt 1620 452 ggttacacga cagatccatg agcatgagca ggagaacgag ttgcgggaac agatgtcagg 1680 454 ttataagegg atgeggegee ageaceagaa geagetgate geeetggaga acaagetgaa 1740 456 ggctgagatg gacgagcacc gcctcaagct acagaaggag gtggagacgc atgccaacaa 1800 458 ctcgtccatc gagctggaga agctggccaa gaagcaagtg gctatcatag aaaaggaggc 460 aaaggtagct gcagcagatg agaagaagtt ccagcaacag atcttggccc agcagaagaa 1920 462 agatttgaca actttcttag aaagtcagaa gaagcagtat aagatttgta aggaaaaaat 1980 RAW SEQUENCE LISTING ERROR SUMMARY DAY
PATENT APPLICATION: US/10/540,634 TIM

DATE: 07/07/2005 TIME: 09:46:03

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\07072005\J540634.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 72,3245,3263,3278

VERIFICATION SUMMARYDATE: 07/07/2005PATENT APPLICATION: US/10/540,634TIME: 09:46:03

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\07072005\J540634.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60

M:341 Repeated in SeqNo=9